Grizzly Industrial, Inc.®

HANGING AIR FILTER WITH REMOTE

MODEL G0572

INSTRUCTION MANUAL

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WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement, and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Table of Contents

INTRODUCTION **2**
Foreword 2
Contact Info 2
SECTION 1: SAFETY **4**
Safety Instructions for Machinery 4
Additional Safety for Hanging Air Filters 6
SECTION 2: CIRCUIT REQUIREMENTS **7**
110V Operation 7
SECTION 3: SET UP **9**
Set Up Safety 9
Items Needed For Set Up 9
Unpacking 9
Inventory 10
Hardware Recognition Chart 11
Shop Preparation 12
Dust System 14
Mounting Preparation 14
Beginning Mounting 15
Table-Top Mount 15
Hanging Mount 16
Flush Mount 17
SECTION 4: OPERATIONS **19**
Operation Safety 19
Overview 19
Control Panel 19
Remote Control 20
Accessories 20
SECTION 6: MAINTENANCE **21**
Filters 21
G0572 Wire Diagram 22
G0572 Parts Breakdown 23
Troubleshooting 25
WARRANTY AND RETURNS **26**

INTRODUCTION

Foreword

We are proud to offer the Model G0572 Hanging Air Filter with Remote. This machine is part of a growing Grizzly family of fine woodworking machinery. When used according to the guidelines set forth in this manual, you can expect years of trouble-free, enjoyable operation and proof of Grizzly's commitment to customer satisfaction.

We are pleased to provide this manual with the Model G0572. It was written to guide you through assembly, review safety considerations, and cover general operating procedures. It represents our effort to produce the best documentation possible.

The specifications, drawings, and photographs illustrated in this manual represent the Model G0572 as supplied when the manual was prepared. However, owing to Grizzly's policy of continuous improvement, changes may be made at any time with no obligation on the part of Grizzly. For your convenience, we always keep current Grizzly manuals available on our website at www.grizzly.com. Any updates to your machine will be reflected in these manuals as soon as they are complete. Visit our site often to check for the latest updates to this manual!

Contact Info

If you have any comments regarding this manual, please write to us at the address below:

Grizzly Industrial, Inc.
C/O Technical Documentation
P.O. Box 2069
Bellingham, WA 98227-2069

We stand behind our machines. If you have any service questions or parts requests, please call or write us at the location listed below.

Grizzly Industrial, Inc.
1203 Lycoming Mall Circle
Muncy, PA 17756
Phone: (570) 546-9663
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MACHINE DATA SHEET

Customer Service #: (570) 546-9663 • To Order Call: (800) 523-4777 • Fax #: (800) 438-5901

MODEL G0572 HANGING AIR FILTER WITH REMOTE

Overall Dimensions:

Unit Dimensions (L x W x H)	26" x 19¼" x 15"
Shipping Weight	64 lbs.
Installed Weight	55 lbs.

Capacities:

Air Flow at Low Speed	556 CFM
Air Flow at Medium Speed	702 CFM
Air Flow at High Speed	1044 CFM
Primary Filter	5-Micron
Secondary Filter	1-Micron

Main Motor:

Motor	⅕ HP, 115V, 60 Hz, 1200 RPM, Single-Phase
Motor Amperage	HI = 3 Amps, MID = 2½ Amps, LO = 2 Amps
Motor Low Speed	750 RPM
Motor Medium Speed	960 RPM
Motor High Speed	1200 RPM
Low Speed Sound Rating	62 dB
Medium Speed Sound Rating	67 dB
High Speed Sound Rating	69 dB

SECTION 1: SAFETY

⚠WARNING

For Your Own Safety, Read Instruction Manual Before Operating this Machine

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words which are intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.

⚠DANGER **Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.**

⚠WARNING **Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.**

⚠CAUTION **Indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury. It may also be used to alert against unsafe practices.**

NOTICE **This symbol is used to alert the user to useful information about proper operation of the machine.**

⚠WARNING

Safety Instructions for Machinery

1. **READ THROUGH THE ENTIRE MANUAL BEFORE STARTING MACHINERY.** Machinery presents serious injury hazards to untrained users.

2. **ALWAYS USE ANSI APPROVED SAFETY GLASSES WHEN OPERATING MACHINERY.** Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.

3. **ALWAYS WEAR AN ANSI APPROVED RESPIRATOR WHEN OPERATING MACHINERY THAT PRODUCES DUST.** Wood dust is a carcinogen and can cause cancer and severe respiratory illnesses.

4. **ALWAYS USE HEARING PROTECTION WHEN OPERATING MACHINERY.** Machinery noise can cause permanent hearing damage.

5. **WEAR PROPER APPAREL.** DO NOT wear loose clothing, gloves, neckties, rings, or jewelry which may get caught in moving parts. Wear protective hair covering to contain long hair and wear non-slip footwear.

6. **NEVER OPERATE MACHINERY WHEN TIRED, OR UNDER THE INFLUENCE OF DRUGS OR ALCOHOL.** Be mentally alert at all times when running machinery.

⚠WARNING
Safety Instructions for Machinery

7. **ONLY ALLOW TRAINED AND PROPERLY SUPERVISED PERSONNEL TO OPERATE MACHINERY.** Make sure operation instructions are safe and clearly understood.

8. **KEEP CHILDREN AND VISITORS AWAY.** Keep all children and visitors a safe distance from the work area.

9. **MAKE WORKSHOP CHILD PROOF.** Use padlocks, master switches, and remove start switch keys.

10. **NEVER LEAVE WHEN MACHINE IS RUNNING.** Turn power *OFF* and allow all moving parts to come to a complete stop before leaving machine unattended.

11. **DO NOT USE IN DANGEROUS ENVIRONMENTS.** DO NOT use machinery in damp, wet locations, or where any flammable or noxious fumes may exist.

12. **KEEP WORK AREA CLEAN AND WELL LIT.** Clutter and dark shadows may cause accidents.

13. **USE A GROUNDED EXTENSION CORD RATED FOR MACHINE AMPERAGE.** Undersized cords overheat and lose power. Replace extension cords if they become damaged. DO NOT use extension cords for 220V machinery.

14. **ALWAYS DISCONNECT FROM POWER SOURCE BEFORE SERVICING MACHINERY**. Make sure switch is in OFF position before reconnecting.

15. **MAINTAIN MACHINERY WITH CARE.** Keep blades sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

16. **MAKE SURE GUARDS ARE IN PLACE AND WORK CORRECTLY BEFORE USING MACHINERY.**

17. **REMOVE ADJUSTING KEYS AND WRENCHES.** Make a habit of checking for keys and adjusting wrenches before turning machinery ***ON***.

18. **CHECK FOR DAMAGED PARTS BEFORE USING MACHINERY.** Check for binding and alignment of parts, broken parts, part mounting, loose bolts, and any other conditions that may affect machine operation. Repair or replace damaged parts.

19. **USE RECOMMENDED ACCESSORIES.** Refer to the instruction manual for recommended accessories. The use of improper accessories may cause risk of injury.

20. **DO NOT FORCE MACHINERY.** Work at the speed for which the machine or accessory was designed.

21. **SECURE WORKPIECE.** Use clamps or a vise to hold the workpiece when practical. A secured workpiece protects your hands and frees both hands to operate the machine.

22. **DO NOT OVERREACH.** Keep proper footing and balance at all times.

23. **MANY MACHINES WILL EJECT WORKPIECE TOWARD OPERATOR.** Know and avoid conditions that cause the workpiece to "kickback."

24. **ALWAYS LOCK MOBILE BASES BEFORE OPERATING MACHINERY**.

⚠WARNING
Additional Safety for Hanging Air Filters

1. **FILTER CAPABILITIES.** DO NOT allow this air filter unit to operate in an environment that has volatile fumes from fuels, paints, pesticides, chemicals, smoke; and never operate in an environment that has particles of silica, metal, asbestos, or hazardous bacterium. This air filter unit is only designed to remove very fine wood particles from the air. It is not a dust collector.

2. **DRY ENVIRONMENT.** Only operate this air filter unit in dry environments.

3. **SERVICING SAFETY.** Turn the air filter ***OFF***, let the fan and motor come to a complete stop, and unplug the power source before leaving, servicing, adjusting, or troubleshooting the unit.

4. **MAINTENANCE/SERVICE.** Keep the filters serviced, and never attempt to replace filters or work on the machine while it is operating.

5. **OPERATING SAFETY.** Keep your hands and tools away from the fan output screen during fan operation.

6. **MINIMIZING DUST EXPOSURE.** Use a respirator along with a dust collection system when operating woodworking machinery, and keep the filters of your air filter unit clean for optimum performance to minimize respiratory exposure to dust.

7. **OPERATING DIFFICULTIES.** If at any time you are experiencing difficulties performing the intended operation, stop using the machine! Then contact our service department or ask a qualified expert how the operation should be performed.

8. **WOOD TOXICITY.** Research the dangers of the specific species of wood you are working with as dust from some woods are toxic and can make you sick, cause cancer, and lead to long-term respiratory problem.

9. **LEAD AND ASBESTOS.** This machine will not protect against lead-paint dust or asbestos fibers. These materials must be collected with special equipment because of the high hazard to human health. DO NOT attempt to collect these materials with this machine.

⚠WARNING

Like all machines there is danger associated with the Model G0572. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this machine with respect and caution to lessen the possibility of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

⚠CAUTION

No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious personal injury, damage to equipment, or poor work results.

SECTION 2: CIRCUIT REQUIREMENTS

110V Operation

⚠WARNING

Serious personal injury could occur if you connect the machine to the power source before you have completed the set up process. DO NOT connect the machine to the power source until instructed to do so.

Amperage Draw

The 1/5 HP motor on the Model G0572 will draw the following amps on the highest setting:

Motor Load .....3 Amps

Circuit Breaker Requirements

Make sure the supply circuit, circuit breaker, or fuse can carry the additional 3 amp load since other machines may be using the same circuit. If the total amperage load of all machines and the air filter unit exceeds the amperage rating of the circuit breaker or fuse, use a different circuit that can carry the load.

DO NOT modify an existing low-amperage circuit by only replacing the circuit breaker with a breaker rated for a higher amperage. The breaker and the complete circuit must be replaced by a qualified electrician.

Circuit Breaker.....10 Amp

Plug Type

The Model G0572 is supplied with a 5-15 plug, similar to **Figure 1**.

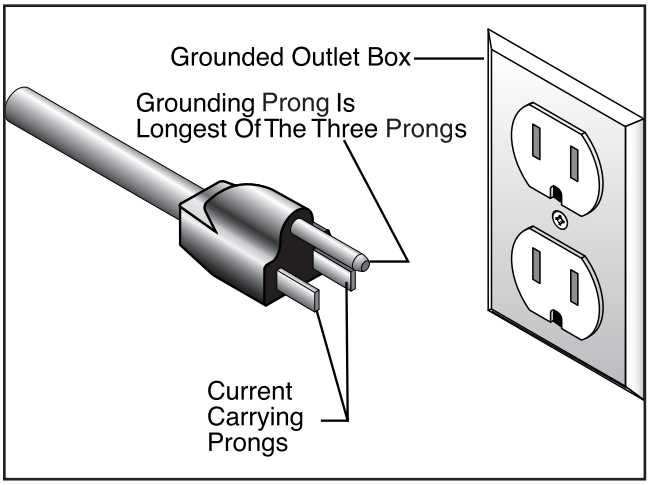


Figure 1. Typical type 5-15 plug and receptacle.

Grounding

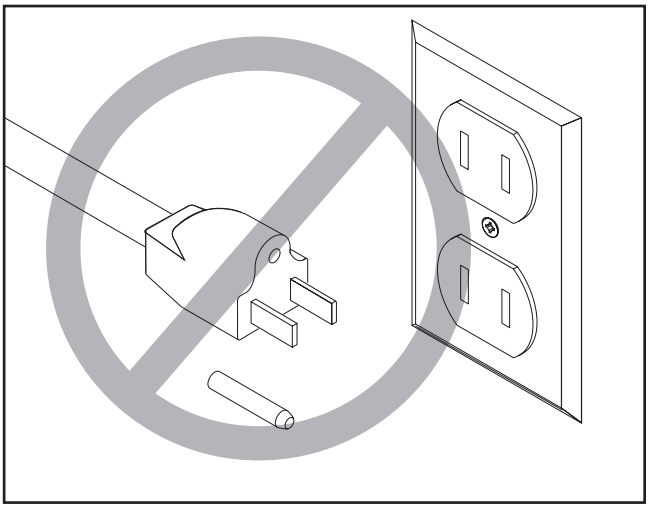
In the event of an electrical short, grounding reduces the risk of electric shock by providing a path of least resistance to disperse electric current. This tool is equipped with a power cord that has a plug with an equipment-grounding prong. The outlet must be properly installed and grounded in accordance with all local codes and ordinances.

⚠WARNING

Electrocution or fire could result if this machine is not grounded correctly or if your electrical configuration does not comply with local and state codes. Ensure compliance by checking with a qualified electrician!

⚠CAUTION

This machine must have a ground prong in the plug to help ensure that it is grounded. DO NOT remove ground prong from plug to fit into a two-pronged outlet! If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician.



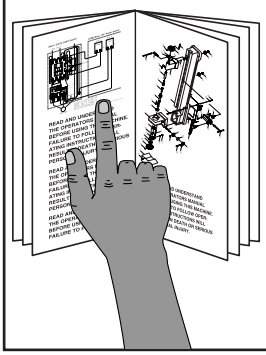
Extension Cords

We do not recommend using an extension cord with most equipment because the cord can generate heat that may cause fire or circuit damage. If you must use an extension cord, use the guidelines below.

- Use a cord rated for Standard Service (Grade S)
- Use a cord that is 100 feet or less only
- Use a cord with a ground pin
- Use an undamaged cord only

SECTION 3: SET UP

Set Up Safety



WARNING

This machine presents serious injury hazards to untrained users. Read through this entire manual to become familiar with the controls and operations before starting the machine!

WARNING

Wear safety glasses during the entire set up process!

WARNING

The Model G0572 is a heavy machine (64 lbs. shipping weight). DO NOT over-exert yourself while unpacking or moving your machine—get assistance.

Items Needed For Set Up

The following items may be needed to complete the set up process, depending upon how you plan to set up your air filter, but are not included:

DESCRIPTION	QTY
• Phillips Head Screwdriver	1
• Safety Glasses (for each person)	1
• Chain, Cable, or Steel Strapping	4
• Drill	1
• Drill Bit ¼"	1
• Wrench 10mm	1
• Wrench 12mm	1
• Lag bolts ¼"	4
• Nuts ¼"	4
• Bolts ¼"	4
• Flat Washers ¼"	4

Unpacking

The Model G0572 was carefully packed when it left our warehouse. If you discover the machine is damaged after you have signed for delivery, *please immediately call Customer Service at (570) 546-9663 for advice.*

Save the containers and all packing materials for possible inspection by the carrier or its agent. *Otherwise, filing a freight claim can be difficult.* When you are completely satisfied with the condition of your shipment, you should inventory the contents.

Inventory

After all the parts have been removed from the two boxes, you should have the following items:

Components (Figure 2) **QTY**

A. Model G0572 Hanging Air Filter..... 1
B. Primary Filter (5-Micron, Pleated-Type)..... 1
C. Secondary Filter (1-Micron, Bag-Type)..... 1

Remote Control and Mounting Hardware (Figure 3)

D. Hand-Held Remote Control Unit 1
E. AAA Batteries 2
F. Flange Brackets 4
G. Hex Bolts M6-1.0 x 8..... 8
H. Flat Washers 6mm 8
I. Eye Bolts M6-1.0 x 20..... 4
J. Rubber Feet 4

In the event that any nonproprietary parts are missing (e.g. a nut or a washer), we would be glad to replace them, or for the sake of expediency, replacements can be obtained at your local hardware store.

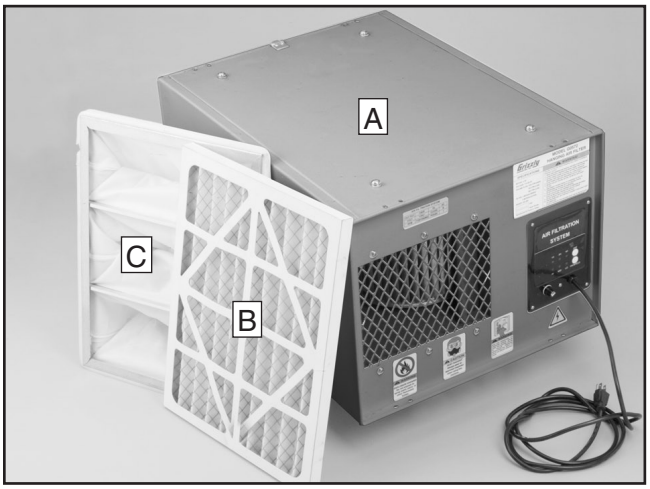


Figure 2. Model G0572 Hanging Air Filter and filters.

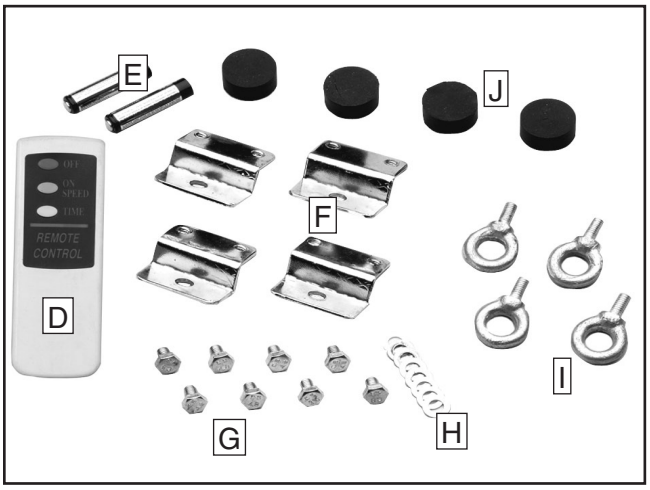
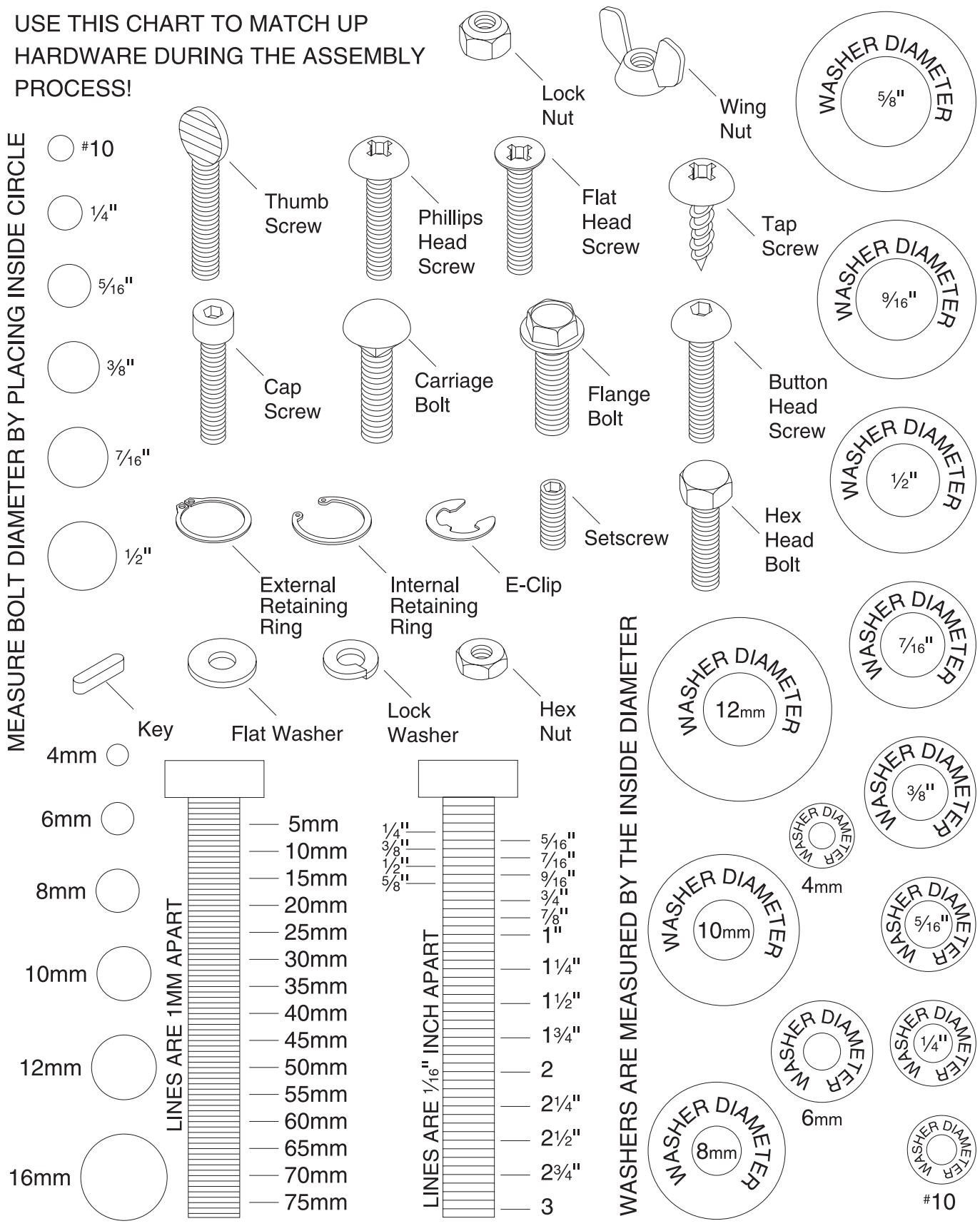


Figure 3. Remote control and mounting hardware.

Hardware Recognition Chart



Shop Preparation

Machine Mobility

The Model G0572 has a balanced fan and uses digital components that are sensitive to jarring. Move this air filter unit with care, and do not drop or handle it roughly.

Operating Location

Operating this air filter unit in the incorrect environment can cause an explosion or respiratory damage to you and others. Read safety instructions on **Page 6** to verify that the filter capabilities will work in your environment.

Locate the air filter unit where the signal path for the remote control is unobstructed and is used within 75 feet of the control panel. Often, the optimum location for this air filter unit is at an overhead central shop location and not at the corners.

Working Clearances

Consider your current and future shop needs with respect to the machinery and the dust collection system used. Make sure that the inlet and the outlet have at least 12" of clearance between obstructions as not to restrict the air flow. The air filter inlet should be a minimum of 3' from outside air sources, such as windows, vents, and doors. If the filter is too close to an outside air source, it will filter the outside air instead of the shop air.

Outlets

Make sure the electrical circuits have the capacity to handle the amperage requirements of the new air filter unit. Refer to **Page 7** for more information. Electrical outlets should be located near the unit so power or extension cords are clear of high-traffic areas.

Site Planning

Site planning is an important step to maximize the effectiveness of the hanging air filter. Air circulation must be thought out and all obstructions to the air path considered.

Think of air circulation in terms of the circular motion of the air before and after the air filter. The air exiting the filter is exhausted at a higher velocity than that entering it. Consequently, exhaust being vented inside a building can have an effect on the pattern of air circulation.

Air circulation patterns will vary depending upon which method is used and according to your specific shop setup. **Figure 4** shows an example of good air circulation.

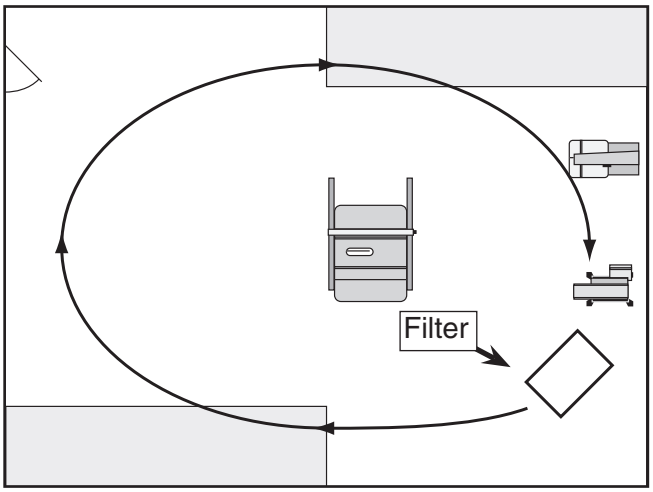


Figure 4. Good air circulation. The air filter placement promotes circular air motion.

Figure 5 shows an example of poor air circulation, where the air filter is placed too close to obstructions. In this situation, the velocity of the air is lost and circulation is diminished.

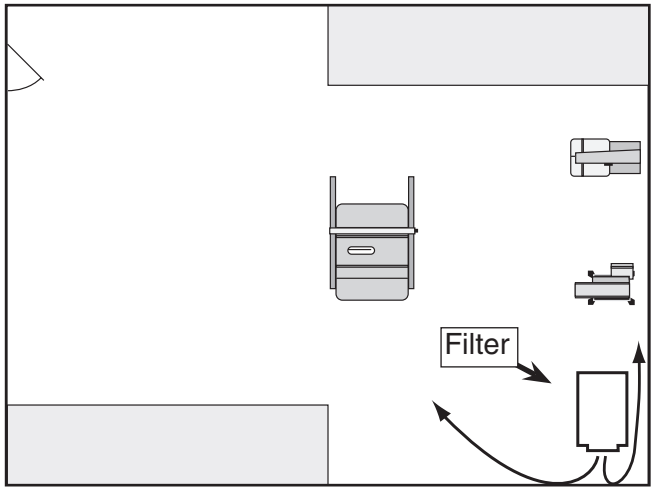


Figure 5. Poor air circulation. Placed too close to the wall, the air circulation short cycles, leaving much of the room unfiltered.

Below is a list of things to keep in mind when selecting a spot for the air filter:

- Study your shop layout and try to determine the best location for the hanging air filter. Air flow that is obstructed will cause a short cycle effect, producing unsatisfactory results. There must be a clearance of at least 12" from any obstructions in front and back of the unit.
- Try to place the air filter in front of high dust producers like sanders or near areas where sanding will take place.
- Do not place the hanging air filter where garage doors may pass closely or where it may impede transport or movement of any other object.
- Try to place the unit where it is easy to access for turning it on, cleaning and maintenance.

Filter Capacity

The G0572 Hanging Air Filter with Remote will recirculate the entire volume of air in a room measuring 25' X 25' X 8' approximately 12 times in one hour. We recommend that the volume of air in your room be recirculated at least 6-8 times every hour.

To calculate the recirculating rate for your shop space:

Step 1. Use the formula below to calculate how long it takes to circulate all the volume of air in your shop. The rate of air movement for the air filter is 1044 cubic feet per minute.

$$\frac{W \times L \times H}{1044} = \text{Minutes for circulating 1 time}$$

Example: $\frac{25' \times 25' \times 8'}{1044} = \frac{5000}{1044} = 4.79$ Minutes

Step 2. Calculate how many times per hour the volume is recirculated through the hanging air filter by dividing 60 minutes by the circulating time from **Step 1**. The result is listed as times per hour.

Example: $\frac{60}{4.79} = 12.52$ Times per Hour

Dust System

When used in conjunction with a dust collector system, the Model G0572 filter efficiently removes most fine wood particles in the air that many dust collectors cannot.

⚠CAUTION

USE the correct dust collection system in your shop. This air filter unit is not a dust collection system and CANNOT be modified as such. Ignoring this warning can result in short and long-term respiratory illness.

For additional information on the correct dust collection system, additions, or modifications; contact Grizzly for a copy of the Dust Collection Basics handbook, Model G2525, and available accessories.

Mounting Preparation

It is very important that the hanging air filter be supported properly. Please use these guidelines when preparing to mount the unit:

- For the sake of clarity, the face where the mounting eye bolts and flush mount flange brackets attach will be called the top throughout the manual. The hanging air filter can be placed on its side, top or at an angle but it can only be secured by mounting eye bolts and flush mount flange brackets on its top.

- Make sure that an electrical outlet with a properly grounded receptacle is available at the location you choose.

- The hanging air filter must be supported by joists or studs capable of supporting at least 100 lbs when mounting the unit with eye bolts or flush mount flange brackets. DO NOT attach the hanging air filter to sheet rock, press board or paneling. These materials cannot support the filter, and it may fall.

- Avoid hitting your head on the hanging air filter. Make sure there is enough clearance between the unit and the ground, especially important in a basement. If possible, position the air filter in an area that has little foot traffic, but still offers easy access to the switch and filters.

Beginning Mounting

You can install the air filter unit one of the following ways:

- **Table-Top Mount**: Use the rubber feet and/or the flush mount flange brackets (see **Figures 6 & 7**) for a table-top application).
- **Hanging Mount**: Use the eye bolts (see **Figures 6 & 7**) for a high ceiling application. Refer to **Page 16**.
- **Flush Mount**: Use the flush mount flange brackets (see **Figures 6 & 7**) for a wall or low ceiling application. Refer to **Page 17**.

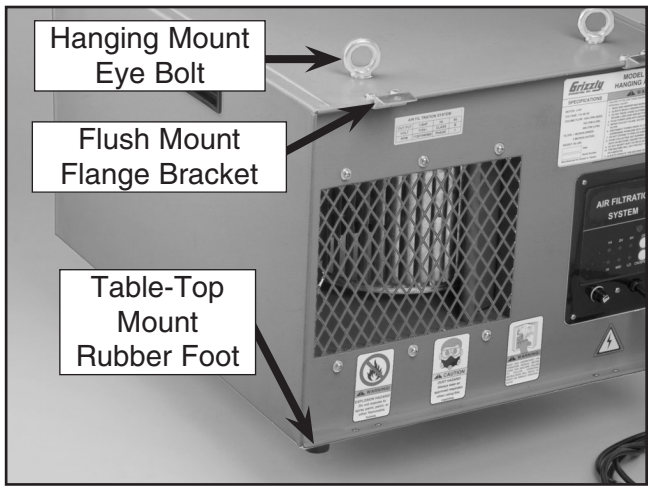


Figure 6. Air filter unit mounting options.

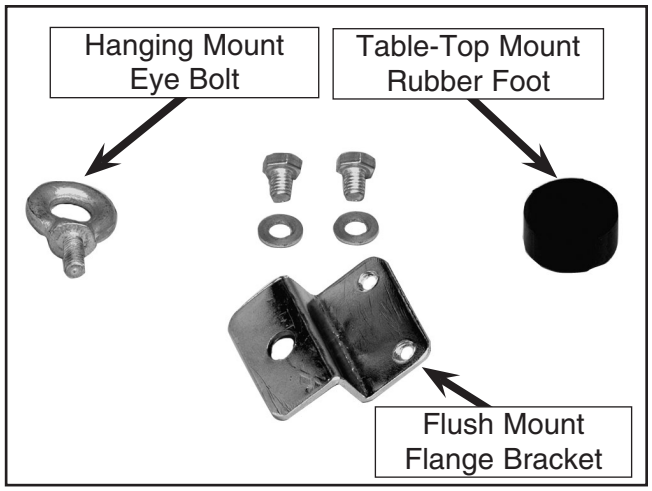
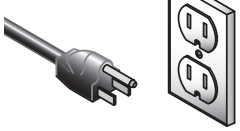


Figure 7. Air filter unit mounting hardware.



WARNING

Keep the air filter unit unplugged during all installation procedures. Ignoring this warning may result in serious personal injury to you or others!

Table-Top Mount

Components and Hardware Needed	Qty
Rubber feet	4

CAUTION

Get lifting assistance before installation. At 64 pounds (shipping weight), the Model G0572 air filter is a heavy load.

You can use the air filter unit as a portable air filtration system by installing the rubber feet and placing the unit on a workbench or a table.

To set up the air filter for table-top operation:

1. With the help of an assistant, carefully invert the air filter unit.
2. Expose the sticky backing on the foot, and affix the rubber foot to the bottom of the air filter unit, as shown in **Figure 8**.

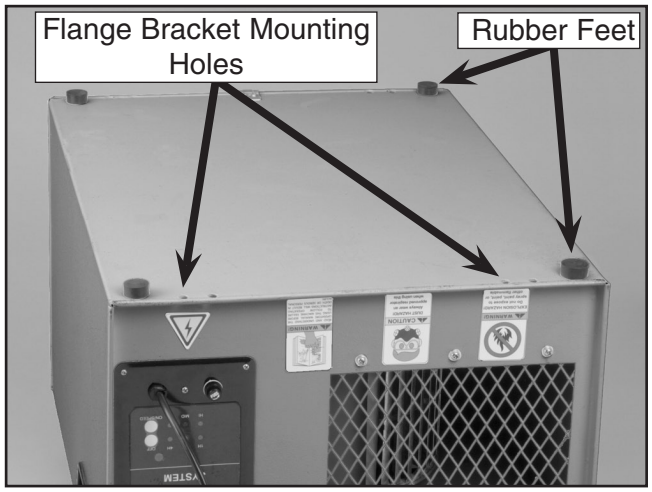


Figure 8. Rubber feet correctly installed (Underside View).

3. Repeat **Step 2** for remaining feet.

Note— *For permanent table-top mounting, refer to the Flush Mount procedure on* **Page 17***, and install the air filter unit to the tabletop with the flush mount flange brackets.*

Hanging Mount

Components and Hardware Needed	**Qty**
Eye bolts	4
Chain, cable, or steel strapping lines	4

Tools Needed

Wrench 12mm	1

⚠CAUTION

Get lifting assistance before installation. At 64 pounds (shipping weight), the Model G0572 air filter is a heavy load.

To make the unit operate at the optimum height of 7' from the floor, you can install the air filter unit in your shop by hanging it by chain, cable, or steel strapping.

⚠WARNING

ONLY hang the air filter to load bearing ceiling studs or joists that can hold at least 100 lbs. DO NOT mount the unit to sheet rock, pressboard, paneling, or honeycomb ceiling panels with expansion-type fasteners like the ones shown in Figure 9. The fasteners can tear out and the air filter can fall. Ignoring this warning can result in severe injury or death.

Figure 9. Typical unacceptable fasteners.

To install the air filter for hanging mount operations:

1. Install four chain, cable, or steel strapping lines to your ceiling from capable ceiling joists or supports. When the lines hang down freely they should be 15¼" from left-to-right and 24½" from front-to-rear. Optimally, the unit should hang 7' off the floor when finished.

2. Remove the plug screw. Retain the screws, because if you remove the eye bolts for the flush mounting configuration, you must reinstall these screws to seal the air filter unit. (**Figure 10**).

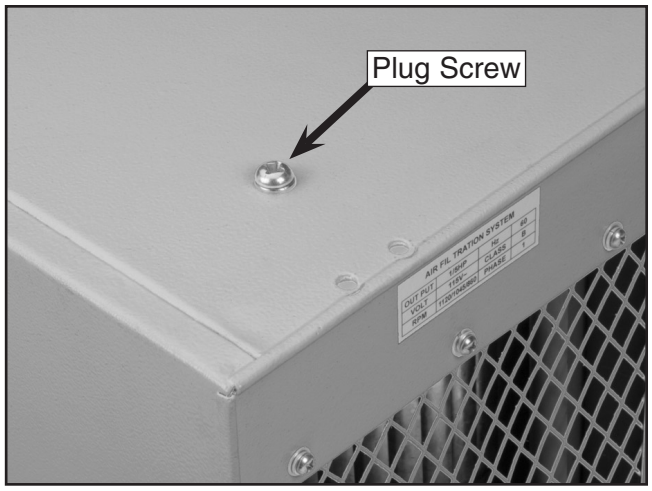


Figure 10. Plug screw.

3. Thread the eye bolt completely into the air filter unit until the shoulder contacts the air filter unit (**Figure 11**).

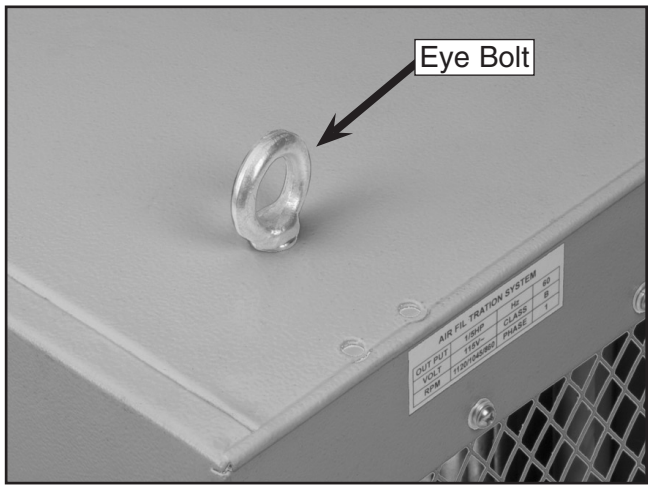


Figure 11. Eye bolt correctly seated.

4. Tighten the eye bolt until it is snug against the air filter unit.

5. Repeat **Steps 2-5** on the three remaining eye bolts.

6. Raise and secure the air filter eye bolts to the four hanging lines.

Flush Mount

Components and Hardware Needed	**Qty**
Mounting Brackets	4
Hex Bolts ¼"-20 X ¼"	8

Optional

¼" Lag Bolts	4
¼" Nuts	4
¼" Bolts	4
¼" Flat Washers	4

Tools Needed

Wrench 10mm	1

You can install the air filter unit in a confined shop by mounting it flush to a ceiling, wall, or table using the flange mounts.

⚠WARNING

ONLY mount the air filter unit to load bearing joists, wall studs, or table that can hold at least 100 lbs. DO NOT mount the unit to sheet rock walls, pressboard, paneling, or honeycomb wall panels with expansion-type fasteners like the ones shown in Figure 9. The fasteners can tear out and the air filter can fall. Ignoring this warning can result in severe injury or death.

⚠CAUTION

Get lifting assistance before installation. At 64 pounds (shipping weight), the Model G0572 air filter is a heavy load.

To install the air filter for flush mount operation:

1. Locate the applicable load bearing studs or supports in the wall or ceiling, and mark the air filter unit bolt pattern on the wall or ceiling (17¼" from left-to-right and 31" from front-to-rear).

2. Drill the bolt pattern to accept at least ¼" lag bolts for studs; or use ¼" nuts, bolts, and washers for mounting to supports.

3. Position the flange bracket under the air filter unit lip at the mounting hole location (**Figure 12**). For permanent table-top mounting, use the lower-lip holes (**Figure 13**).

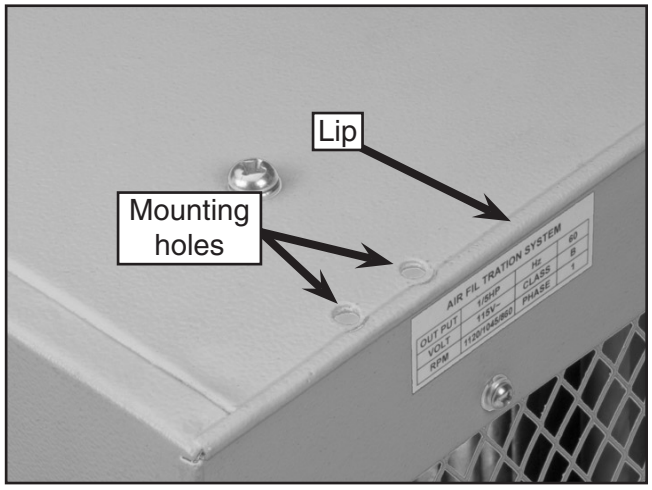


Figure 12. Flange bracket mounting holes and lip.

Figure 13. Lower-lip mounting holes.

4. Install the flat washers and the hex bolts to secure the flange brackets to the unit (**Figure 14**).

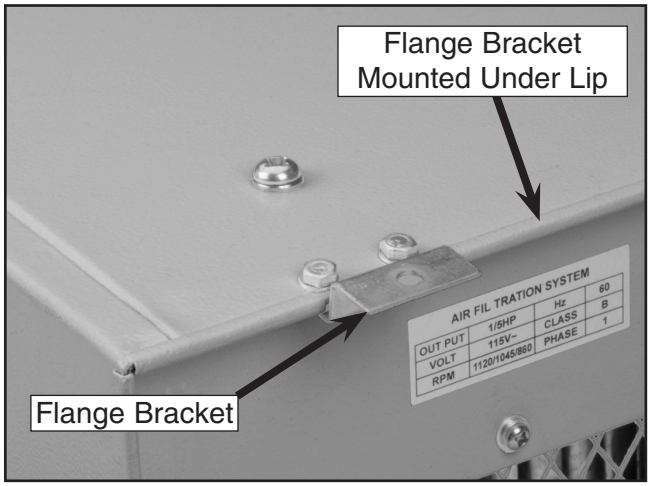


Figure 14. Flange correctly installed under lip.

5. Repeat **Steps 3 & 4** for the other three flange brackets.

6. With the help of an assistant, position the air filter on the wall or ceiling, and screw or bolt the unit in place.

SECTION 4: OPERATIONS

Operation Safety

⚠CAUTION

Operations that generate large amounts of any kind of dust may warrant the use of a respirator even though the dust filter is running. The dust filter is not a substitute for a respirator!

⚠WARNING

THIS DUST FILTER IS TO BE USED FOR WOOD DUST ONLY. DO NOT use this machine to filter toxic fumes or paint spray. DO NOT use this machine to dissipate smoke or fumes.

Overview

When the Model G0572 is turned *ON*, the fan motor starts on HI and then switches to the speed of your selection. Air is drawn through the primary filter, through the secondary filter, then the cleaned air is distributed into your shop.

Control Panel

NOTICE

ALWAYS take a few moments to listen and observe for unusual noise and vibration after starting the air filter.

The control panel enables you to manually turn the air filter *ON* and *OFF*, and set the fan speed. The panel has a remote control unit signal receiver, a 5-ampere fuse for circuit protection, and a series of LED lights that indicate your speed and auto shut-off selections. See **Figure 15**.

Figure 15. Control Panel.

To operate the air filter unit, use the listed controls:

- **OFF**: Allows you to manually turn the air filter *OFF*.
- **ON / SPEED**: Allows you to turn the unit *ON* with the first push of the button, and for every additional push, the fan speed is cycled from LO, MID, and HI. Speed selection is indicated by a red LED light.

Remote Control

The remote control unit enables you to remotely turn the air filter *ON* and *OFF*, set the fan speed, and set the auto shut-off time. The remote control unit uses two AAA alkaline batteries as a power source. The remote control unit (see **Figure 16**) must be within 75 feet of the filter unit and have an unobstructed infrared signal path to the control panel.

Figure 16. Remote Control.

To operate the remote control unit, use the listed controls:

- **OFF**: Allows you to remotely shut the air filter *OFF*.
- **ON / SPEED**: Allows you to remotely turn the unit *ON* with the first push of the button, and for every additional push, the fan speed is cycled from LO to MID and to HI.
- **TIME**: Allows you to set the auto shut-off time from no auto shut-off, to auto shut-off in 1 hour, 2 hours, and 4 hours.

Accessories

Grizzly carries a complete selection of fine accessories for all of its equipment. Below is a list of replacement filtlers and accessories we are sure you will find useful.

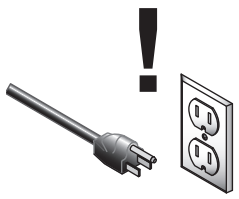
- Dust Collection Basics, Model G2525
- Remote Dust Collector Switch, Model H2797 or H5397
- Primary Filter, P0572024
- Secondary Filter, P0572022

SECTION 6: MAINTENANCE

Filters

The amount of use has a direct bearing on when you must change the primary air filter and service the secondary air filter.

To maintain optimal operation, checking the filters once a week in a small home shop is a good habit. Checking them once a day during heavy use will be important. Always wear a respirator when checking the filters.



⚠WARNING

Keep the air filter unit unplugged during all maintenance procedures. Ignoring this warning may result in serious personal injury to you or others!

⚠WARNING

Always wear a dust mask and safety glasses when servicing and changing filters. Sawdust may cause allergic reactions or respiratory problems.

To change and service the filters:

1. **Disconnect power to the hanging air filter!**

2. Move the filter retainer latch upward, remove the primary filter and discard it (**Figure 17**).

   NOTICE: **DO NOT** use compressed air to blow out the secondary filter. If you do, you will damage the filter and reduce filtering quality.

3. Remove the secondary filter and shake out the wood dust until clean and wash out with warm water and let dry (**Figure 18**).

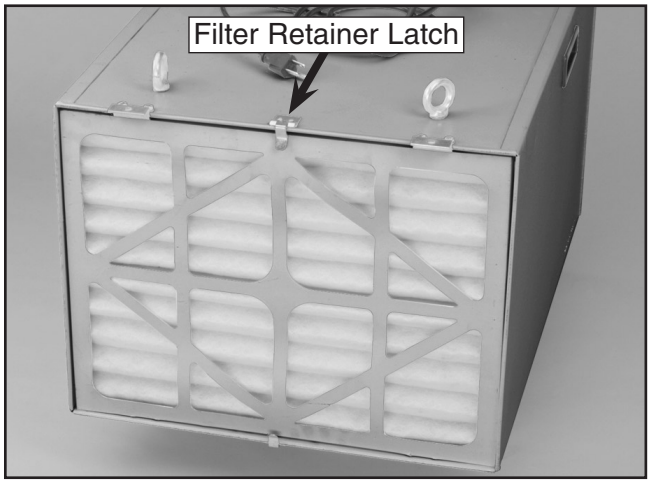


Figure 17. 5-Micron primary filter.

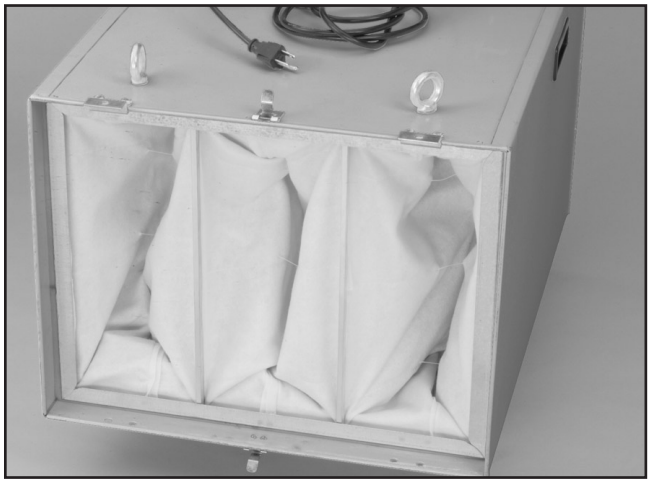


Figure 18. 1-Micron secondary filter.

4. Vacuum out the inside of the air filter housing.

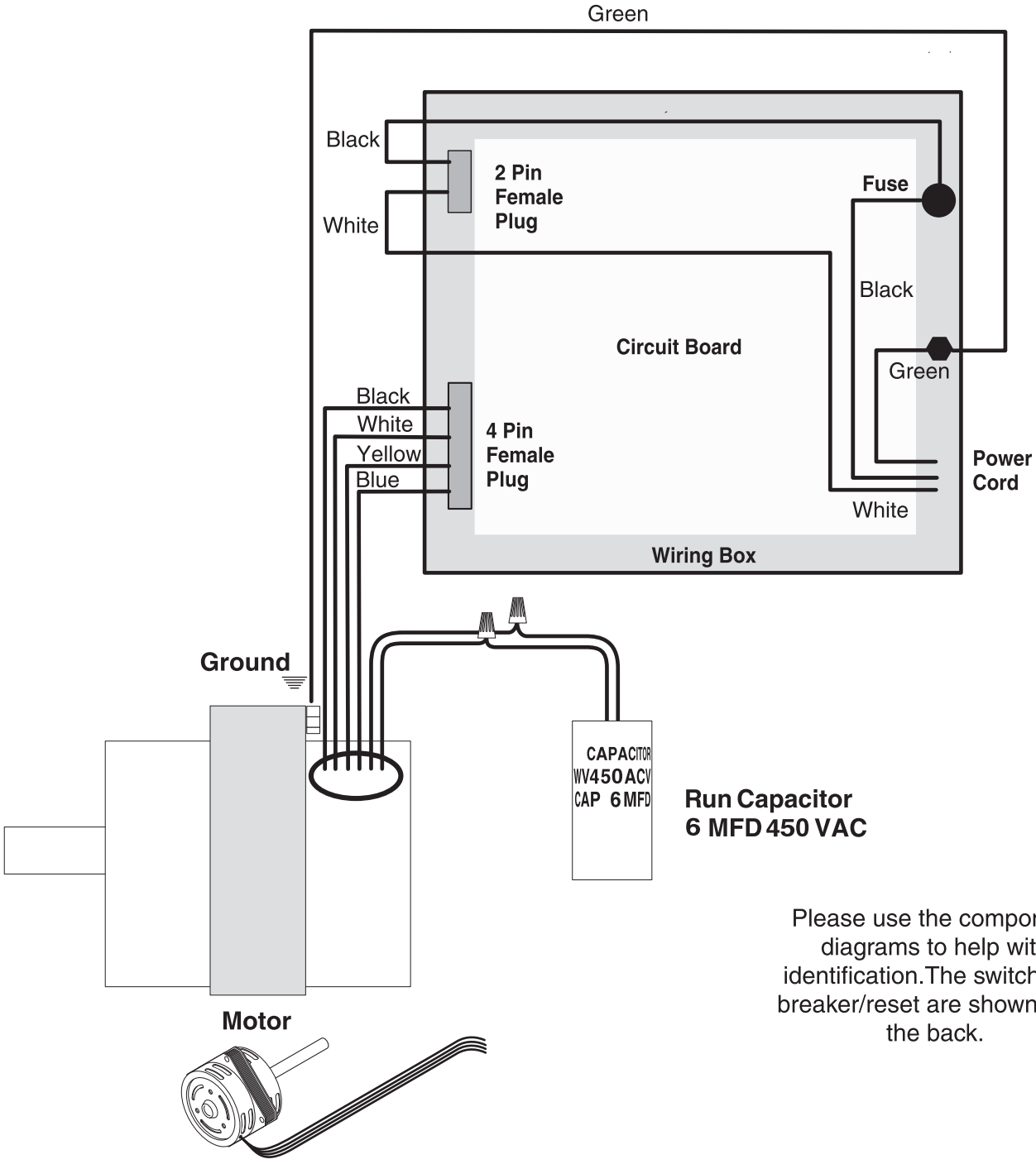
5. Reinstall the secondary filter when it is dry and install a new primary filter.

6. Latch the filter retainer to keep the filters in place.

G0572 Wire Diagram

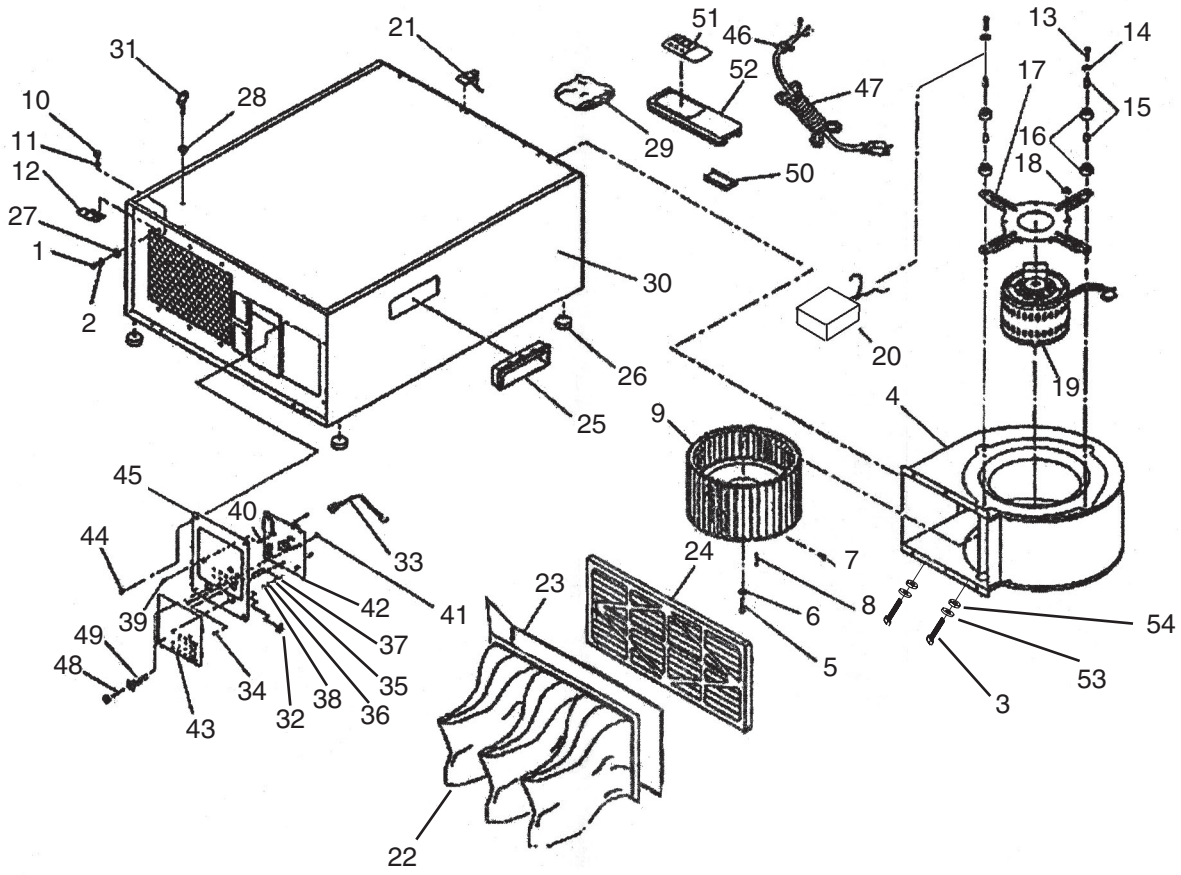
DANGER

Disconnect power from machine before performing any electrical service. Failure to do this will result in a shock hazard leading to injury or death.



Please use the component diagrams to help with identification.The switch and breaker/reset are shown from the back.

G0572 Parts Breakdown



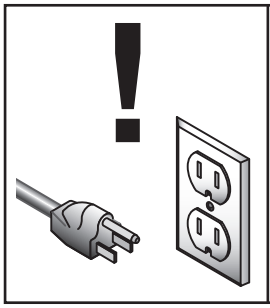
G0572 Parts List

REF	PART #	DESCRIPTION
1	PS11M	PHLP HD SCR M6-1 X 16
2	PLW03M	LOCK WASHER 6MM
3	PS07M	PHLP HD SCR M4 .7 X 8
4	P0572004	FAN HOUSING
5	P0572005	CAP SCREW M6-1 X 20 (LH)
6	P0572006	FLANGE DISK 6.5 X 44MM
7	PB06M	HEX BOLT M8-1.25 X 12
8	PK48M	KEY 4 X 4 X 20MM
9	P0572009	FAN
10	PB04M	HEX BOLT M6-1 X 10
11	PW03M	FLAT WASHER 6MM
12	P0572012	FLANGE BRACKET
13	PB29M	HEX BOLT M6-1 X 30
14	PW03M	FLAT WASHER 6MM
15	P0572015	SLEEVE
16	P0572016	SPACER
17	P0572017	FLANGE
18	PLN02M	LOCK NUT M5-.8
19	P0572019	MOTOR
20	P0572020	CAPACITOR 6 MFD 450 VAC
21	P0572021	FILTER RETAINING LATCH
22	P0572022	SECOND FILTER 1-MICRON
23	P0572023	FOAM SEAL 1⁄4" X 1" X 70"
24	P0572024	PRIMARY FILTER 5-MICRON
25	P0572025	HANDLE
26	P0572026	RUBBER FOOT
27	PW03M	FLAT WASHER 6 MM

REF	PART #	DESCRIPTION
28	P0572028	RIVET NUT M6 X 8
29	P0572029	MOUNT AND BOLT BAG
30	P0572030	HOUSING
31	P0572031	EYE BOLT M6-1 X 20
32	P0572032	BOLT (SPECIAL) M3-.5 X 6
33	P0572033	PC WIRING HARNESS
34	PS17M	PHLP HD SCR M4-.7 X 6
35	PLW02M	LOCK WASHER 4MM
36	PW05M	FLAT WASHER 4MM
37	PN04M	HEX NUT M4-.7
38	PTLW01M	EXT TOOTH WASHER 4MM
39	P0572039	PHLP HD SCR (SPECIAL)
40	P0572040	SPACER (SPECIAL)
41	PS12M	PHLP HD SCR M3-.5 X 6
42	P0572042	PC BOARD
43	P0572043	LABEL (CONTROLS)
44	PS38M	PHLP HD SCR M4-.7 X 10
45	P0572045	CONTROL PANEL
46	P0572046	STRAIN RELIEF
47	P0572047	POWER CORD 3-WIRE 18-GA
48	P0572048	1-1⁄8" FUSE 5-AMP (250VAC)
49	P0572049	FUSE HOLDER
50	P0572050	REMOTE CONTROL COVER
51	P0572051	LABEL (REMOTE)
52	P0572052	REMOTE CONTROL
53	PW05M	FLAT WASHER 4MM
54	PLW02M	LOCK WASHER 4MM

Troubleshooting

Symptom	Possible Cause	Possible Solution
The air filter does not operate at all.	1. The power supply circuit breaker is tripped. 2. No power to the control panel 3. Wiring is at fault 4. The control panel circuit board is at fault. 5. The motor is at fault.	1. Correct the cause for high current draw and close the circuit breaker. 2. Replace the blown fuse in the control panel. 3. Repair, replace wires, plugs and cables as applicable; and make sure all electrical plugs and connections are secure. 4. Replace the circuit board. 5. Replace the motor.
The remote control does not operate the air filter but the control panel operates fine.	1. The remote control has no power. 2. The signal path is obstructed. 3. The remote control is at fault. 4. The control panel circuit board is at fault.	1. Install or replace the batteries. 2. Make sure the signal path is clear to the infrared remote control sensor on the control panel. 3. Replace the hand-held remote control unit. 4. Replace the control panel circuit board.
The air filter CFM output is reduced.	1. The filters are wet or clogged. 2. The airflow path is obstructed. 3. The control panel circuit board is at fault. 4. The motor is at fault.	1. Replace the primary filter and clean the secondary filter. 2. Remove obstructions or add ducting. 3. Replace the control panel circuit board. 4. Replace the motor.
The air filter unit is noisy or vibrates.	1. The mounting is loose. 2. The unit is not level. 3. The fan or motor is loose.	1. Tighten the flange brackets and reinstall the air filter unit. 2. Level the air filter unit. 3. Unplug the unit, remove the filters, and tighten all loose fastners.



⚠WARNING

Disconnect power to the machine when performing any troubleshooting. Failure to do this may result in serious personal injury.

WARRANTY AND RETURNS

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

To take advantage of this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.

Grizzly Industrial, Inc. WARRANTY CARD

Name _____

Street _____

City _____ State _____ Zip _____

Phone # _____ Email _____ Invoice # _____

Model # _____ Order # _____ Serial # _____

The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. ***Of course, all information is strictly confidential.***

1. How did you learn about us?

____ Advertisement	____ Friend	____ Catalog
____ Card Deck	____ Website	____ Other:

2. Which of the following magazines do you subscribe to?

____ Cabinet Maker	____ Popular Mechanics	____ Today's Homeowner
____ Family Handyman	____ Popular Science	____ Wood
____ Hand Loader	____ Popular Woodworking	____ Wooden Boat
____ Handy	____ Practical Homeowner	____ Woodshop News
____ Home Shop Machinist	____ Precision Shooter	____ Woodsmith
____ Journal of Light Cont.	____ Projects in Metal	____ Woodwork
____ Live Steam	____ RC Modeler	____ Woodworker West
____ Model Airplane News	____ Rifle	____ Woodworker's Journal
____ Modeltec	____ Shop Notes	____ Other:
____ Old House Journal	____ Shotgun News	

3. What is your annual household income?

____ $20,000-$29,000	____ $30,000-$39,000	____ $40,000-$49,000
____ $50,000-$59,000	____ $60,000-$69,000	____ $70,000+

4. What is your age group?

____ 20-29	____ 30-39	____ 40-49
____ 50-59	____ 60-69	____ 70+

5. How long have you been a woodworker/metalworker?

____ 0-2 Years ____ 2-8 Years ____ 8-20 Years ____ 20+ Years

6. How many of your machines or tools are Grizzly?

____ 0-2 ____ 3-5 ____ 6-9 ____ 10+

7. Do you think your machine represents a good value? _____ Yes _____ No

8. Would you recommend Grizzly Industrial to a friend? _____ Yes _____ No

9. Would you allow us to use your name as a reference for Grizzly customers in your area?
Note: *We never use names more than 3 times.* _____ Yes _____ No

10. Comments: _____

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